PATENT COOPERATION TREATY

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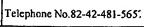
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HAW, Yong-Noke	!			
8th Fl. Songchon Bldg., 642-15, Yoksa Seoul 135-080 Republic of Korea	m-dong, Kangnam-gu	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
	!	(PCT Rule 43bis.1)		
	1			
		Date of mailing (day/month/year) 05 JULY 2005 (05.07.2005)		
Applicant's or agent's file reference		FOR FURTHER	ACTION	
05FLWW028		See paragraph 2 below		
International application No.	International filing date		Priority date(day/month/year)	
PCT/KR2005/001268	02 MAY 2005 (02.0		03 MAY 2004 (03.05.2004)	
International Patent Classification (IPC)	or both national classificat	tion and IPC		
IPC7 D06F 33/02		•	3(4)5(6)7	
Applicant			A Braile	
LG ELECTRONICS, INC. et a	a l		No. 18	
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1. This opinion contains indications rela	· ·	IS:	10000000000000000000000000000000000000	
Box No. I Basis of the opi	nion		6/81/11/2	
Box No. II Priority				
		d to novelty, inventiv	ve step and industrial applicability	
Box No. IV Lack of unity			<u>.</u> 1	
Box No. V Reasoned stater citations and ex	ment under Rule 43bis.1(a))(i) with regard to no h statement	ovelty, inventive step or industrial applicability;	
Box No. VI Certain docume	ents cited			
Box No. VII Certain defects	s in the international applic	cation		
Box No. VIII Certain observa	- ·			
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other than this one to be the IPEA and opinions of this International Searchin If this opinion is, as provided above, c	Authority ("IPEA") except of the chosen IPEA has not ing Authority will not be so considered to be a written cappropriate, with amendment appropriate, with amendment appropriate of 22 months from A/220.	t that this does not ap ified the International considered. opinion of the IPEA, ents, before the expir	considered to be a written opinion of the oply where the applicant chooses an Authority of Bureau under Rule 66.1bis(b) that written the applicant is invited to submit to the ration of 3 months from the date of mailing whichever expires later.	
Name and mailing address of the ISA/KR	Date of completi	ion of this opinion	Authorized officer	



Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

04 JULY 2005 (04.07.2005)

JEON, Yong Hai



BEST AVAILABLE COBY

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/001268

Box No. I Basis of this opinion	
 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 	
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the	
claimed invention, this opinion has been established on the basis of:	
a. type of material a sequence listing	
table(s) related to the sequence listing	
b. format of material	
on paper in electronic form	
c. time of filing/furnishing contained in the international application as filed.	
filed together with the international application in electronic form.	
furnished subsequently to this Authority for the purposes of search.	
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been	
filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that	
in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4. Additional comments:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/001268

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement				•
Novelty (N)	Claims	1-17		YES
	Claims	None		NO NO
Inventive step (IS)	Claims	2-4, 6-17	••	· YES
	Claims	1, 5		NO
Industrial applicability (IA)	Claims	1-17		YES
	Claims	None		NO
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2. Citations and explanations:

Reference is made to the following document:

D: JP 2001-029682 A

Novelty

For Claims 1-4: None of the available prior art describes a drum type washing machine with a microcomputer controlling a preliminary spin drying operation to be selectively performed based on the comparison result obtained by comparing a measured laundry quantity and a measured eccentricity with the reference quantity value and the reference eccentricity value.

So claim 1 is new and said claimed invention is novel since the said drum type washing machine is not disclosed by the prior art. Dependent Claims 2-4 also appear to be novel.

Consequently Claims 1-4 comply with Article 33(2) PCT.

For Claims 5-14: None of the available prior art describes a controlling method of a drum type washing machine having a step of controlling a preliminary spin drying operation to be selectively performed based on the measured laundry quantity and the measured eccentricity.

So claim 5 is new and said claimed invention is novel since the said controlling method of a drum type washing machine is not disclosed by the prior art. Dependent Claims 6-14 also appear to be novel.

Consequently Claims 6-14 comply with Article 33(2) PCT.

For Claims 15-17: None of the available prior art describes a controlling method of a drum type washing machine having a step of performing an eccentricity measurement operation based on the measured laundry quantity; if the measured laundry quantity is smaller than a reference quantity value and the measure eccentricity is smaller than a reference eccentricity value, performing a main spin drying operation without performing a preliminary spin drying operation. So claim 15 is new and said claimed invention is novel since the said drum type washing machine is not disclosed by the prior art. Dependent claims 16 and 17 also appear to be novel. Consequently Claims 15-17 comply with Article 33(2) PCT.

See the supplemental box.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box No. V. 2. Citation and explanations

Inventive Step

For Claim 1: D does not exactly disclose the same drum type washing machine of claim 1. But D discloses a washing machine comprising: a drum 3; a motor 10; an operation unit 40; a RAM 38; a ROM 37; and a microcomputer controlling washing, rinsing and dehydration.

Although a microcomputer controlling a preliminary spin drying operation to be selectively performed based on a comparison result obtained by comparing a measured laundry quantity and a measured eccentricity with the reference quantity value and the reference eccentricity value is not explicitly specified in D, D suggests a dehydration which is operated according to the measured eccentricity by uneven existence of the laundry. So the invention in claim 1 could be derived by a person skilled in the art, if necessary, by a simple design change or repeated experiments. Therefore claim 1 would be obvious for the skilled person and the invention of claim 1 is not considered to involve an inventive step. Consequently claim 1 does not fulfil the requirements of Article 33(3) PCT.

For Claims 5: D does not exactly disclose the same controlling method of a drum type washing machine of claim 5. But D discloses a dehydration which is operated according to the measured eccentricity by the uneven existence of the laundry. So the invention in claim 5 could be derived by a person skilled in the art, if necessary, by a simple design change or repeated experiments. Therefore claim 5 would be obvious for the skilled person and the invention of claim 5 is not considered to involve an inventive step. Consequently claim 5 does not fulfil the requirements of Article 33(3) PCT.

Industrial Applicability

The inventions of Claims 1-17 are industrially applicable.